

An aerial photograph showing a large array of spent nuclear fuel storage casks. The casks are arranged in neat rows within a complex metal framework. The image has a cyan tint. The text "SRS Spent Nuclear Fuel Program Status" is overlaid in the center.

SRS Spent Nuclear Fuel Program Status

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DOE-SR

FY02 ACCOMPLISHMENTS

Since Last Meeting

- Issued Fuel Characterization Report
- De-inventoried 40 of 175 fuel assemblies planned for FY02 from RBOF to L (25% complete FY, and overall)
- Received and stored largest single shipment of FRR (12 casks) received on a single ship
- Shipped 14 casks to canyon for processing
- Completed construction of L-Experimental Facility
- Placed LEF in lay-up condition

EMERGING CONCERNS

- **FRR, DRR Shipments - Increased Security Concerns**
- **Significant Increase in L-Basin Cask Handling**
- **Engineering Support for SNF Inventory Management**
- **Stakeholder Support for Continued Basin Storage**

SRS FY2002 Off-Site Spent Nuclear Fuel Shipment Arrival Plan

Domestic Information		
Location	Reactor	Cask Type
Missouri	MURR	BMI
Michigan	Ford	BMI
Massachusetts	MIT	BMI
New York	BMRR	LWT
Oak Ridge	HFIR	GE-2000

FY2002 DRR Totals	16 Casks	115 Assemblies
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Reactor
MIT

DRR Shipments

Reactor
HFIR
MURR

Reactor
HFIR
MURR

Reactor
BMRR

Reactor
HFIR
Ford

Reactor
HFIR
Ford

Reactor
MIT

2001			2002								
OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER

FRR Shipments

Shipment 02-2	
Country	Reactor / Fuel
Denmark	DR-3

Shipment 02-3	
Country	Reactor / Fuel
Denmark	DR-3
Germany	FRM
	FRJ
Sweden	R-2/R2-0

Shipment 02-1	
Japan	JMTR
	JRR
	KUR
Germany	FRG
Sweden	R-2/R2-0

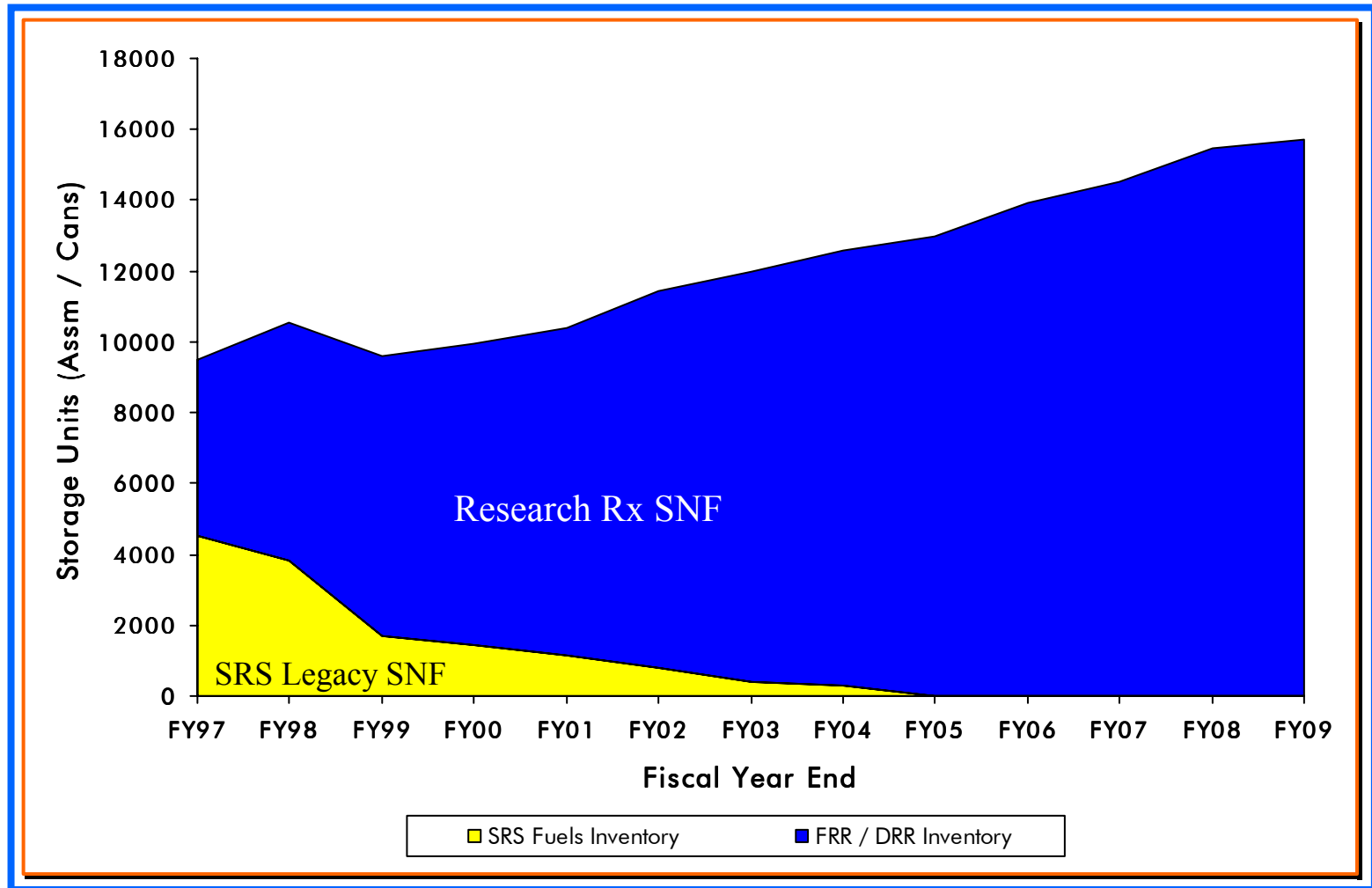
Shipment 02-4	
Country	Reactor/Fuel
Japan	JMTR
	JRR
	KUR
	TTR-1
France	OSIRIS

FY2002 FRR Totals	30 Casks	1102 Assemblies
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SNF CASK MANAGEMENT

CASK PROCESSED	FY00	FY01	FY02 FCST.	FY03 FCST.
RBOF to Canyons *	10	11	12	9
K & L to Canyons	10	12	12	29
FRR receipts	15	24	30	23
DRR receipts	23	3	16	21
RBOF to L-basin	17	29	12	36
TOTALS	75	79	82	118
* SFO & Mk-42 shipments				
** SRS irradiated fuels (Mk-16 & 22s)				

SRS Fuels Inventory



SR SNF Disposition Alternatives

Baseline: Continued Pool Storage

Incremental:

- Process Conventionally through H-Canyon as available through 2012 (approx 7000 elements)
- Develop advanced neutron absorbers, remote welding / inspection, drying standards. Direct dispose after 2012 (6-7000 elements)

Dramatic:

- Ship w/o further characterization and treatment from basins to RW. May require RW processing
- Stop receipt of Domestic shipments when repository opens